

45

SEQUENCE LISTING

<110> DAIICHI SUNTORY PHARMA CO., LTD.

<120> Pharmaceutical Composition Containing Ghrelin

5 <130> DSP-78

<150> JP 2002-146155

<151> 2002-05-21

<160> 21

<170> PatentIn version 3.1

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<210> 1

<211> 28

<212> PRT

<213> Homo sapiens

15

<220>

<221> PEPTIDE

<222> (1)..(28)

<223> Amino acid sequence for human endogenous peptides of growth hormone

20

secretagogue

<400> 1

Gly Ser Ser Phe Leu Ser Pro Glu His Gln Arg Val Gln Gln Arg Lys

1

5

10

15

25

Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg

20

25

<210> 2

<211> 27

30

<212> PRT

<213> Homo sapiens

<220>

<221> PEPTIDE

<222> (1)..(27)

<223> Amino acid sequence for human endogenous peptides (27 amino acids)
of growth hormone secretagogue

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<400> 2

Gly Ser Ser Phe Leu Ser Pro Glu His Gln Arg Val Gln Arg Lys Glu

1 5 10 15

Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg

10 20 25

<210> 3

<211> 28

<212> PRT

15 <213> Rattus norvegicus

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<221> PEPTIDE

<222> (1)..(28)

20 <223> Amino acid sequence for rat endogenous peptides of growth hormone
secretagogue

<400> 3

Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Ala Gln Gln Arg Lys

25 1 5 10 15

Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg

20 25

<210> 4

30 <211> 27

<212> PRT

<213> Rattus norvegicus

<220>

<221> PEPTIDE

<222> (1)..(27)

<223> Amino acid sequence for rat endogenous peptides of growth hormone
5 secretagogue

<400> 4

Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Ala Gln Arg Lys Glu
1 5 10 15

10 Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
20 25

<210> 5

<211> 28

15 <212> PRT

<213> Mus musculus

<220>

<221> PEPTIDE

20 <222> (1)..(28)

<223> Amino acid sequence for mouse endogenous peptides of growth hormone
secretagogue

<400> 5

25 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Ala Gln Gln Arg Lys
1 5 10 15

Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
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30 <210> 6

<211> 28

<212> PRT

<213> Sus scrofa

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<221> PEPTIDE

<222> (1)..(28)

5 <223> Amino acid sequence for porcine endogenous peptides of growth hormone
secretagogue

<400> 6

Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Val Gln Gln Arg Lys

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Glu Ser Lys Lys Pro Ala Ala Lys Leu Lys Pro Arg

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<210> 7

15 <211> 27

<212> PRT

<213> Bos taurus

<220>

20 <221> PEPTIDE

<222> (1)..(27)

<223> Amino acid sequence for bovine endogenous peptides (27 amino acids)
of growth hormone secretagogue

25 <400> 7

Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Leu Gln Arg Lys Glu

1 5 10 15

Ala Lys Lys Pro Ser Gly Arg Leu Lys Pro Arg

20 25

30

<210> 8

<211> 27

<212> PRT

<213> Ovis aries

<220>

<221> PEPTIDE

5 <222> (1)..(27)

<223> Amino acid sequence for ovine endogenous peptides (27 amino acids of growth hormone secretagogue

<400> 8

10 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Leu Gln Arg Lys Glu
 1 5 10 15
 Pro Lys Lys Pro Ser Gly Arg Leu Lys Pro Arg
 20 25

15 <210> 9

<211> 28

<212> PRT

<213> Canis familiaris

20 <220>

<221> PEPTIDE

<222> (1)..(28)

<223> Amino acid sequence for dog endogenous peptides of growth hormone secretagogue

25

<400> 9

Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Leu Gln Gln Arg Lys
 1 5 10 15
 30 Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
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<210> 10

<211> 21

<212> PRT

<213> *Anguilla japonica*

5 <220>

<221> PEPTIDE

<222> (1)..(21)

<223> Amino acid sequence for eel endogenous peptides of growth hormone secretagogue. This peptide is amidated at C-terminus.

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<400> 10

Gly Ser Ser Phe Leu Ser Pro Ser Gln Arg Pro Gln Gly Lys Asp Lys

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5

10

15

Lys Pro Pro Arg Val

15

20

<210> 11

<211> 23

<212> PRT

20 <213> *Oncorhynchus mykiss*

<220>

<221> PEPTIDE

<222> (1)..(23)

25 <223> Amino acid sequence for rainbow trout endogenous peptides (23 amino acids) of growth hormone secretagogue. This peptide is amidated at C-terminus.

<400> 11

30 Gly Ser Ser Phe Leu Ser Pro Ser Gln Lys Pro Gln Val Arg Gln Gly

1

5

10

15

Lys Gly Lys Pro Pro Arg Val

20

<211> 20

<212> PRT

5 <213> Oncorhynchus mykiss

 $\langle 220 \rangle$

<221> PEPTIDE

<222> (1) .. (20)

10 <223> Amino acid sequence for rainbow trout endogenous peptides (20 amino acids) of growth hormone secretagogue. This peptide is amidated at C-terminus.

<400> 12

15 Gly Ser Ser Phe Leu Ser Pro Ser Gln Lys Pro Gln Gly Lys Gly Lys

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20 <210> 13

<211> 24

<212> PRT

<213> Gallus domesticus

25 <220>

<221> PEPTIDE

 $\langle 222 \rangle \quad (1) \dots (24)$

<223> Amino acid sequence for chicken endogenous peptides of growth hormone
secretagogue

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<400> 13

Gly Ser Ser Phe Leu Ser Pro Thr Tyr Lys Asn Ile Gln Gln Gln Lys

1 5 10 15

Gly Thr Arg Lys Pro Thr Ala Arg

20

<210> 14

5 <211> 24

<212> PRT

<213> Gallus domesticus

<220>

10 <221> PEPTIDE

<222> (1) .. (24)

<223> Amino acid sequence for chicken endogenous peptides of growth hormone secretagogue

15 <400> 14

Gly Ser Ser Phe Leu Ser Pro Thr Tyr Lys Asn Ile Gln Gln Gln Lys

1

5

10

15

Asp Thr Arg Lys Pro Thr Ala Arg

20

20

<210> 15

<211> 26

<212> PRT

<213> Gallus domesticus

25

<220>

<221> PEPTIDE

<222> (1) .. (26)

<223> Amino acid sequence for chicken endogenous peptides of growth hormone secretagogue

30

<400> 15

Gly Ser Ser Phe Leu Ser Pro Thr Tyr Lys Asn Ile Gln Gln Gln Lys

1 5 10 15
 Asp Thr Arg Lys Pro Thr Ala Arg Leu His
 20 25

5 <210> 16
 <211> 27
 <212> PRT
 <213> Rana catesbeiana

10 <220>
 <221> PEPTIDE
 <222> (1)..(27)
 <223> Amino acid sequence for frog endogenous peptides of growth hormone
 secretagogue

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 <400> 16
 Gly Leu Thr Phe Leu Ser Pro Ala Asp Met Gln Lys Ile Ala Glu Arg
 1 5 10 15
 Gln Ser Gln Asn Lys Leu Arg His Gly Asn Met
 20 20 25

<210> 17
 <211> 28
 <212> PRT
 25 <213> Rana catesbeiana

<220>
 <221> PEPTIDE
 <222> (1)..(28)
 30 <223> Amino acid sequence for frog endogenous peptides of growth hormone
 secretagogue

<400> 17

Gly Leu Thr Phe Leu Ser Pro Ala Asp Met Gln Lys Ile Ala Glu Arg

1 5 10 15

Gln Ser Gln Asn Lys Leu Arg His Gly Asn Met Asn

20 25

5

<210> 18

<211> 20

<212> PRT

<213> Tilapia nilotica

10

<220>

<221> PEPTIDE

<222> (1)..(20)

<223> Amino acid sequence for tilapia endogenous peptides of growth hormone

15 secretagogue. Amidation

<400> 18

Gly Ser Ser Phe Leu Ser Pro Ser Gln Lys Pro Gln Asn Lys Val Lys

1 5 10 15

20 Ser Ser Arg Ile

20

<210> 19

<211> 22

25 <212> PRT

<213> Silurus asotus

<220>

<221> PEPTIDE

30 <222> (1)..(22)

<223> Amino acid sequence for catfish endogenous peptides of growth hormone

secretagogue. This peptide is amidated at C-terminus.

<400> 19

Gly Ser Ser Phe Leu Ser Pro Thr Gln Lys Pro Gln Asn Arg Gly Asp

1 5 10 15

Arg Lys Pro Pro Arg Val

5 20

<210> 20

<211> 23

<212> PRT

10 <213> Silurus asotus

<220>

<221> PEPTIDE

<222> (1)..(23)

15 <223> Amino acid sequence for catfish endogenous peptides of growth hormone
secretagogue

<400> 20

Gly Ser Ser Phe Leu Ser Pro Thr Gln Lys Pro Gln Asn Arg Gly Asp

20 1 5 10 15

Arg Lys Pro Pro Arg Val Gly

20

<210> 21

25 <211> 28

<212> PRT

<213> Equus caballus

<220>

30 <221> PEPTIDE

<222> (1)..(28)

<223> Amino acid sequence for equine endogenous peptides of growth hormone
secretagogue

<400> 21

Gly Ser Ser Phe Leu Ser Pro Glu His His Lys Val Gln His Arg Lys

1

5

10

15

5 Glu Ser Lys Lys Pro Pro Ala Lys Leu Lys Pro Arg

20

25